

09/535,082/11/101

Other objects, advantages, and novel

	U	1	Document	Issue D	Pa	Cur
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6149269	2000112	24	351/
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6139142	2000103	9	351/
3	<input type="checkbox"/>	<input type="checkbox"/>	US 6132040	2000101	22	351/
4	<input type="checkbox"/>	<input type="checkbox"/>	US 6089708	2000071	9	351/
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12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4196981	1980040	3	351/

**6,048,061**



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the pencil 180. In the magnetic retention system 424, only a single magnet 36 is necessary since the pencil 180 is so short. The pencil 180 must, however, be equipped with some metal portion, such as a thin iron or steel band 182. The magnet 36 acts through the fabric layer 141 to exert a force of magnetic attraction on the metal band 182 sufficient to hold the pencil 180 seated in the pocket 240.

FIGS. 11 and 12 illustrate an embodiment of a magnetic retention system indicated generally at 524 which is suitable for attachment to virtually any article of clothing, or any other fabric article utilized as a sporting or recreational accessory. The magnetic

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	U	1	Document	Issue	D	Pa	Cur
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6171461	2001010	14	204	
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5	<input type="checkbox"/>	<input type="checkbox"/>	US 6093915	2000072	8	219	
6	<input type="checkbox"/>	<input type="checkbox"/>	US 6070625	2000060	14	141	
7	<input type="checkbox"/>	<input type="checkbox"/>	US 6020102	2000020	37	430	
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12	<input type="checkbox"/>	<input type="checkbox"/>	US 5774514	1998063	49	376	

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6,163,889

FIG. 5

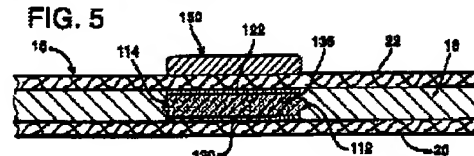


FIG. 6

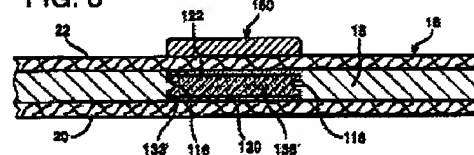


FIG. 7

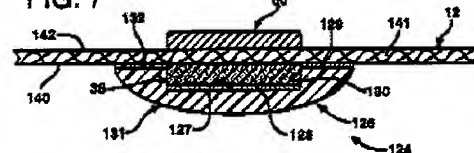
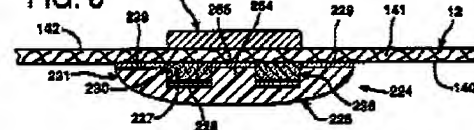


FIG. 8



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PRIMARY-EXAMINER: Dziekonski; Paul M.

ATTY-AGENT-FIRM: LoJacono; Francis X.

## ABSTRACT:

An ornamental device for eyeglasses which comprises an ornament adapted to be attracted by a magnetic force, wherein the ornament is positioned on the front surface of at least one of the glass member elements of a pair of eyeglasses, one or more magnets being placed adjacent the rear surface of the glass element whereby the magnetic force from the magnet holds the ornament in a selective position on the glass element.

12 Claims, 4 Drawing figures

Exemplary Claim Number: 1

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2	<input type="checkbox"/>	<input type="checkbox"/>	US 6139142	2000103	9	351/	
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4	<input type="checkbox"/>	<input type="checkbox"/>	US 6089708	2000071	9	351/	
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10	<input type="checkbox"/>	<input type="checkbox"/>	US 5366070	1994112	6	206/	
11	<input type="checkbox"/>	<input type="checkbox"/>	US 4988181	1991012	4	351/	
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U.S. Patent Jan. 29, 1991 Sheet 1 of 1 4,988,181

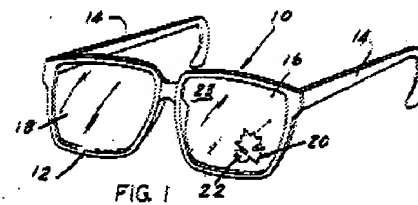


FIG. 1

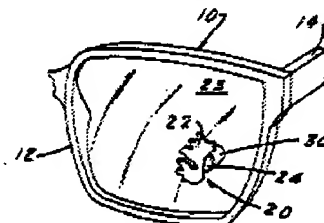


FIG. 2

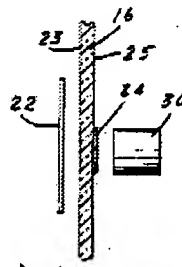


FIG. 3

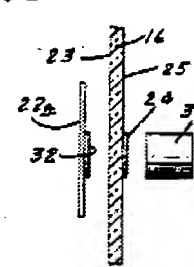


FIG. 4

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assembly. It can be appreciated that when the panels become disassembled, the inner panel falls inside the user's garment where it is often difficult to retrieve.

Also of interest is the U.S. Pat. No. to Ellis 2,389,298 which discloses a magnetic apparel fastener comprising a pair of circular magnets wherein one of the magnets is recessed so that the other magnet interfits within the recess.

The instant invention provides a magnetic name plate assembly comprising a name plate and a retaining member which are magnetically receivable in face-to-face relation so that a user's garment may be sandwiched therebetween.

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	U	1	Document	Issue D	Pa	Cur
1	<input type="checkbox"/>	<input type="checkbox"/>	US 5884337	1999032	6	2/209
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5740557	1998042	11	2/209
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5369899	1994120	9	40/1.
4	<input type="checkbox"/>	<input type="checkbox"/>	US 5070581	1991121	7	24/3.

Details Text Image

Reeves

(1) Patent Number: 5,309,001

(4) Date of Patent: Dec. 6, 1994

## [34] MAGNETIC NAME PLATE ASSEMBLY

1,283,945 2/1994 Rowe et al. 40/

[79] Inventor: Robert V. Reeves, Attleboro, Mass.

## FOREIGN PATENT DOCUMENTS

[73] Assignee: Reeves Co., Inc., Attleboro, Mass.

099770 5/1993 France 24/

[21] Appl. No.: 95,773

118217 1/1993 U.S.S.R. 24/

01/21941 10/1993 WIDO 40/

[22] Filed: Jul. 21, 1993

Primary Examiner—Edward K. Look

Assistant Examiner—Mark Sigmon

Attorney, Agent, or Firm—Reiter &amp; Michalec

[11] Int. Cl.: A44C 5/00

[52] U.S. Cl.: 40/1.5; 40/63; 24/303

[58] Field of Search: 40/1.5; 603; 624; 24/303

[56] References Cited

## U.S. PATENT DOCUMENTS

2,389,298 11/1945 Ellis 40/1.5

2,389,298 11/1945 Ellis 24/303

2,401,434 4/1952 Baker 24/303

2,459,189 11/1953 Sherman 40/63

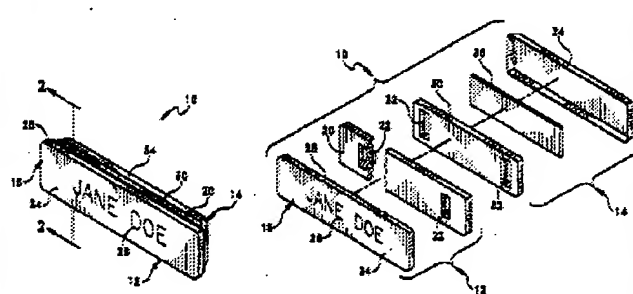
4,236,191 12/1980 Matson 40/1.5

4,305,007 3/1985 Aoki 24/303

## [57] SUMMARY

A magnetic name plate assembly includes a name plate and a retaining member which are magnetically receivable in face-to-face relation so that a user's garment can be sandwiched therebetween. The name plate and retaining member are provided with interengaging means that lock with the fabric sandwiched therebetween and effectively limit relative movement of one member with respect to the other.

10 Claims, 6 Drawing Sheets



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	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L3	0	1 AND EYEGLASSES	USPAT	2001/01/11 10:12
2	BRS	L1	4	MAGNET WITH APPAREL	USPAT	2001/01/11 10:16
3	BRS	L5	12	EYEGLASSES WITH MAGNET	USPAT	2001/01/11 10:17

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frame 238 of the magnetic retention system 424 has an opening defined therethrough that forms an elongated, rectangular enclosure 240 adapted to receive a short golf pencil 180. The enclosure 240 formed by the frame 238 provides a pocket that readily receives the pencil 180. In the magnetic retention system 424, only a single magnet 36 is necessary since the pencil 180 is so short. The pencil 180 must, however, be equipped with some metal portion, such as a thin iron or steel band 182. The magnet 36 acts through the fabric layer 141 to exert a force of magnetic attraction on the metal band 182 sufficient to hold the pencil 180 seated in the pocket 240.

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1	<input type="checkbox"/>	<input type="checkbox"/>	US 6171461	2001010	14	204	
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5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6093915	2000072	8	219	
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FIG. 11

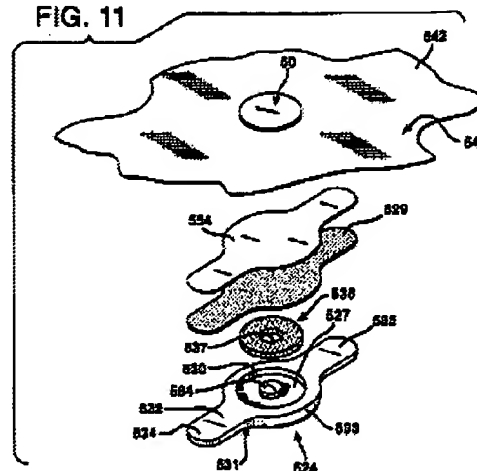
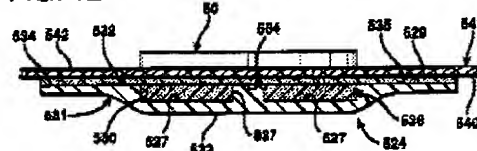


FIG. 12



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# Printed by EAST

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**Computer:** WS08062

**Date:** 01/11/2001

**Time:** 10:43



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3	BRS	L5	12	EYEGLASSES WITH MAGNET	USPAT	2001/01/11 10:17
4	BRS	L7	0	EYEGLASSES WITH MAGNET WITH GARMENT	USPAT	2001/01/11 10:23
5	BRS	L11	0	9 AND SUPPORT	USPAT	2001/01/11 10:24
6	BRS	L9	2	EYEGLASSES WITH MAGNET WITH PLATE	USPAT	2001/01/11 10:36
7	BRS	L15	0	13 AND GARMENT	USPAT	2001/01/11 10:37
8	BRS	L13	49	PENCIL WITH MAGNET	USPAT	2001/01/11 10:37

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wherein the magnetic susceptibility of said counterplate is greater than one.

6. A cassette as defined in claim 4, wherein said magnetic plate is constituted by a material which is selected from the group consisting of an alnico -alloy, an oxide permanent magnet, a magnetically coated polyvinylchloride, and a magnet manufactured by an injection-molding process from an oxide powder and a binder.

7. A cassette as defined in claim 4, wherein the X-ray film has a predetermined size, said magnetic plate and counterplate having a size substantially corresponding to the size of

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	Document	Issue D	Pa	Current	(A)
16	US 4501185	1985022	4	84/728	5
17	US 4499751	1985021	6	73/1.67	
18	US 4468648	1984082	7	335/295	3
19	US 4462247	1984073	5	73/35.13	3
20	US 4434025	1984022	22	117/86	1
21	US 4424705	1984011	10	73/35.13	7
22	US 4424550	1984010	6	361/236	
23	US 4364295	1982122	6	84/726	5
24	US 4280078	1981072	9	315/39.5	3
25	US 4264821	1981042	5	378/187	3
26	US 4072918	1978020	6	335/236	3
27	US 4055732	1977102	7	335/296	1

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U.S. Patent

Apr. 28, 1981

4,264,821

Fig. 1

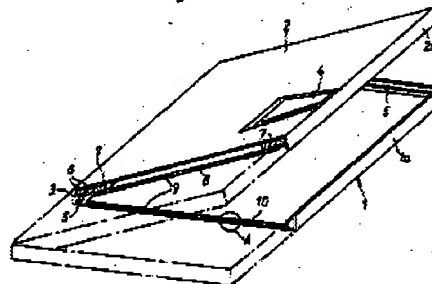


Fig. 2



Fig. 3

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fluid flow path within the pipe 10. The small diameter of a fuel line permits a pair of units diametrically opposed to substantially saturate the fuel flow path within the line so that little untreated fuel may pass that could cause the pollution and reduced gas mileage of untreated fuel flow.

The low reluctance soft iron or equivalent non-permanent magnetic cover plate 35 serves as a return path for the longitudinally oriented alnico magnet poles (N, S), at the upper side of the magnets 25, 26. Accordingly at the lower side, the flux pattern 30 is established for intrusion within the fuel line 10.

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1	<input type="checkbox"/>	<input type="checkbox"/>	US 6019587	2000020	9	425/	
2	<input type="checkbox"/>	<input type="checkbox"/>	US 5798122	1998082	8	425/	
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6	<input type="checkbox"/>	<input type="checkbox"/>	US 5605251	1997022	30	222/	
7	<input type="checkbox"/>	<input type="checkbox"/>	US 5434602	1995071	72	346/	
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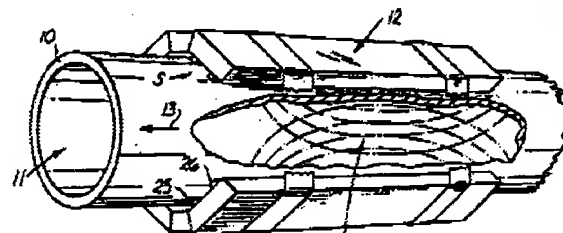


FIG. 1

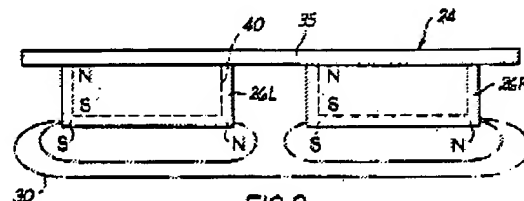


FIG. 2

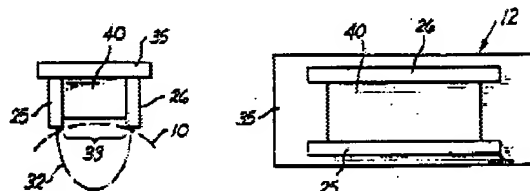


FIG. 3

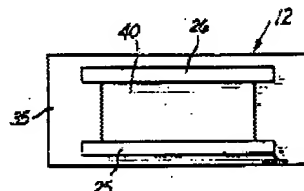


FIG. 4

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The low reluctance soft iron or equivalent non-permanent magnetic cover plate 35 serves as a return path for the longitudinally oriented alnico magnet poles (N, S), at the upper side of the magnets 25, 26. Accordingly at the lower side, the flux pattern 30 is established for intrusion within the fuel line 10.

One substantially cubic ceramic ferrite permanent magnet 40, 41 is normally disposed between the alnico magnets 25, 26 and in contact with the low reluctance cover plate 35, to leave the alnico legs for straddling the fuel line 10 extending from the bottom, as shown.

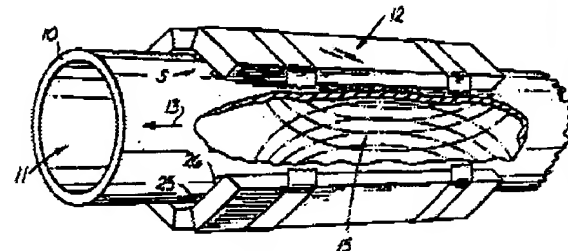


FIG. 1

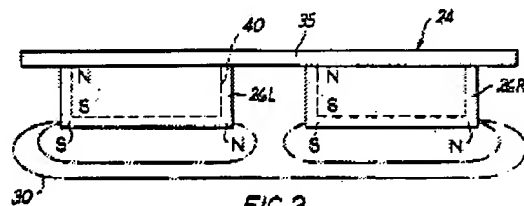


FIG. 2

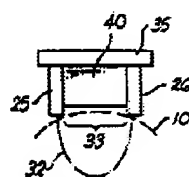


FIG. 3

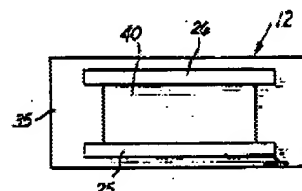


FIG. 4

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11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5118416	1992060	7	210	
12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5037546	1991080	5	210	

Details

Text

Image

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